



## **Molecular Epidemiology Tenure Track Faculty Position**

The Wadsworth Center and the Division of Epidemiology within the New York State Department of Health in Albany, NY, are jointly seeking an outstanding scientist at the Associate or Assistant Professor level to establish a competitive, grant-funded research program in Molecular Epidemiology. We envision that the position will advance the study of pathogen outbreak dynamics by applying data analytics and disease modelling methods that will synergize with classical public health methods to more effectively predict and control outbreaks. A particular focus will be the use of AI to understand the host-pathogen-environment interaction during outbreaks as well as biological and environmental determinants of infectious disease emergence, transmission, pathogenesis and immunity. Applicants employing innovative, cutting-edge techniques to these areas are especially encouraged to apply.

The Wadsworth Center (<https://www.wadsworth.org/>) is the country's most comprehensive state public health laboratory with a staff of about 800 that includes over 100 doctoral level scientists. The Center provides a dynamic research environment focused on infectious, genetic and environmental diseases and their impact on human health. The Division of Epidemiology encompasses the Bureaus of Communicable Disease Control, Immunizations, Tuberculosis Control (including the Refugee Health Program), and Healthcare Associated Infections, along with an overarching Statistical Unit managing extensive disease databases. Both the Division of Epidemiology and the Wadsworth Center have a major role in mitigating the impact of antimicrobial resistance in NYS and are working with industry in a unique public-private partnership to develop a statewide disease surveillance system.

The successful applicant will join a core group of scientists applying advanced public health diagnostics, genomics, and molecular epidemiology to address public health challenges caused by recurring and emerging pathogens.

The successful applicant will receive a highly competitive start-up package, 12-month salary, access to outstanding core facilities including next generation sequencing and bioinformatics, and access to the Department of Health's extensive disease databases. Optional educational opportunities are provided through the University at Albany's School of Public Health.

PhD, MD or equivalent degree with experience in one or more of the following; infectious disease, public health, epidemiology, molecular biology/molecular diagnostics, data analytics, statistics, bioinformatics, or related, and relevant postdoctoral research experience required. Applicants should submit their curriculum vitae, 3-page research plan and contact information for at least three references to [wcphgc@health.ny.gov](mailto:wcphgc@health.ny.gov), referencing "Wadsworth Molecular Epidemiology". Review of applications will be performed on a rolling basis and continue until the position is filled. AA/EOE.